

IN THE CLAIMS:

Please cancel Claims 1-9 and replace them with Claims 10-15:

--10. A monostable ferroelectric active matrix display, containing a liquid crystal layer in the form of a monodomain with an unambiguously defined direction of the normal z to the layer of the smC^* phase, wherein the normal z to the layer and the preferential direction n of the nematic or cholesteric phase (N^* phase) form an angle of more than 5° .

11. The active matrix display as claimed in claim 10 wherein the angle between the normal z to the layer of the smC^* phase and the preferential direction n of the nematic or cholesteric phase (N^* phase) lies in a range of from 0.5 times to 1.0 times the smC^* tilt angle.

12. The active matrix display as claimed in claim 10 wherein the ferroelectric liquid crystal layer has a phase sequence of

$I^*-N^*-smC^*$

where there may be an smA^* phase having a range of existence of at most $2^\circ C$ between the N^* phase and the smC^* phase.

13. The active matrix display as claimed in claim 10 wherein the spontaneous polarization of the ferroelectric liquid crystal phase is less than 15 nC/cm^2 .

14. The active matrix display as claimed in claim ₁₀ wherein, in the liquid crystal layer, the length of the chiral-nematic or cholesteric pitch in a temperature range of at least 2°C above the transition to the smectic phase is more than 50 μm.

15. A process for producing active matrix displays as claimed in claim ₁₀ in which the liquid crystal layer is introduced into the interspace between a rubbed upper substrate plate and a rubbed lower substrate plate of the active matrix display, the rubbing directions on the upper and lower substrate plates being essentially parallel, and the liquid crystal phase is cooled from the isotropic phase, an electric DC voltage being applied to the display at least during the N* -> smC* or N* -> smA* -> smC* phase transition. __

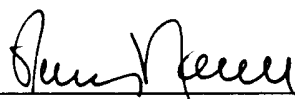
REMARKS

Entry of this amendment and an early examination on the merits are respectfully solicited.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP

By:



William F. Lawrence

Reg. No. 28,029

(212) 588-0800